

**Defense Information Infrastructure (DII)
Common Operating Environment (COE)
Software Version Description (SVD)
for the
METCAST Client Segment (MCCLNT)
Release 1.7.0.0**

20 December 2002

**Prepared for:
Space and Naval Warfare Systems Command
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Table of Contents

1	SCOPE	1
1.1	IDENTIFICATION	1
1.2	SYSTEM OVERVIEW	1
1.3	PRODUCT INFORMATION	1
1.3.1	Product Qualification	1
1.3.2	Product Restrictions	1
1.3.3	Product Dependencies.....	2
2	REFERENCED DOCUMENTS	3
2.1	GOVERNMENT DOCUMENTS.....	3
2.2	NON-GOVERNMENT DOCUMENTS	3
3	VERSION DESCRIPTION.....	5
3.1	INVENTORY OF MATERIALS RELEASED.....	5
3.2	INVENTORY OF SOFTWARE CONTENTS.....	5
3.3	CHANGES INSTALLED.....	5
3.4	WAIVERS	5
3.5	ADAPTATION DATA	5
3.6	INSTALLATION INSTRUCTIONS	6
3.7	POSSIBLE PROBLEMS AND KNOWN ERRORS.....	6
4	NOTES.....	7
4.1	GLOSSARY OF ACRONYMS	7
APPENDIX A	LIST OF EXECUTABLES AND ENVIRONMENT FILES.....	A-1
A.1	FILE STRUCTURE FOR WINDOWS NT 4.0, WIN 98 AND WIN 2000 DELIVERY	A-1
A.2	FILE STRUCTURE FOR SUN SOLARIS DELIVERY	A-21
APPENDIX B	CHANGES INSTALLED.....	B-1
APPENDIX C	KNOWN PROBLEMS AND ERRORS.....	C-1

1 SCOPE

1.1 Identification

This Software Version Description (SVD) describes the METCAST Client (MCCLNT) Segment of the METCAST data distribution software, Release 1.7.0.0, developed by Fleet Numerical Meteorology and Oceanography Center (FNMOC), Monterey, CA. The Metcast Client software runs under the following hardware and operating systems:

- Personal Computer (PC) running the Microsoft Windows NT 4.0 operating system with Service Pack 6 or higher, Windows XP, Windows 2000, or Windows 98.
- Sun SPARC computer running the Sun Solaris operating system, release 8. The initial release of MCCLNT 1.7.0.0 does not include a Solaris build.

This document has been developed in accordance with the *DII COE Developer Documentation Requirements, Version 2.0*.

1.2 System Overview

METCAST is a standards-based, request-reply and subscription (channel) system for distributing weather information over the Internet using Hyper-Text Transfer Protocol (HTTP) and Multipurpose Internet Mail Extensions (MIME). The METCAST Client (MCCLNT) Segment includes a graphical user interface (GUI) to allow the user to select the products to be retrieved and the frequency and types of retrievals, and a retriever process that establishes communication with a METCAST server, submits a request for the data requested, and delivers the reply to the local user.

1.3 Product Information

1.3.1 Product Qualification

Test and Evaluation (T&E) of the software were performed at Fleet Numerical Meteorology and Oceanography Center (FNMOC), Monterey, CA, prior to delivery of the software.

1.3.2 Product Restrictions

Intellectual property rights to deliverables defined in this document are covered by the copyright license under the clause in DFARS 252.227-7013 (Nov. 1995).

1.3.3 Product Dependencies

This segment requires access to a METCAST Server, which is provided as three separate segments. The server segments need not be installed on the same machine as the METCAST Client.

2 REFERENCED DOCUMENTS

2.1 Government Documents

DDR-2 23 January 1998	<i>Defense Information Infrastructure (DII) Common Operating Environment (COE) Developer Documentation Requirements, Version 2.0, Defense Information Systems Agency, Joint Operability and Engineering Organization</i>
Unnumbered 18 June 1998	<i>Software Requirements Specification for METCAST, Space and Naval Warfare Systems Command, Environmental Systems Program Office (SPAWAR PMW-155), San Diego, CA</i>
MCJMV.PENTIUM.NT40.3_7_0_0.UG.doc 20 December 2002	<i>Users Guide (UG) for the Joint Metoc Viewer (JMV) Segment, release 3.7 Series</i>
MCCLNT.PENTIUM.NT40.1_7_0_0.IP.doc 20 December 2002	<i>Installation Procedures (IP) for the METCAST Client Segment, release 1.7 Series</i>
MCCLNT.PENTIUM.NT40.1_7_0_0.UM.doc 20 December 2002	<i>User Manual (UM) for the METCAST Client Segment, Release 1.7 Series</i>
MCSRVR.SUN.Solaris28.3_2_0_0.IP.doc 17 August 2001	<i>Installation Procedures (IP) for the METCAST Server (MCSRVR) Segment, Release 3.2</i>
MDMETC.SUN.Solaris28.1_2_0_0.IP.doc 10 August 2001	<i>Installation Procedures (IP) for the METOC Observations Database (MDMETC) Segment, Release 1.2 for Solaris</i>
MDCHNL.SUN.Solaris28.1_2_0_0.IP.doc 10 August 2001	<i>Installation Procedures (IP) for the METOC Channels Database (MDCHNL) Segment, Release 1.2 for Solaris</i>

2.2 Non-Government Documents

None.

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3 VERSION DESCRIPTION

3.1 Inventory of Materials Released

All physical media and associated documentation for the METCAST Client Segment are listed below.

- METCAST Client Segment v1.7.0.0 CD-ROM for Windows NT 4.0 with Service Pack 6 or higher, Windows XP, Windows 2000 or Windows 98 (also includes installation packages for the Joint METOC Viewer (JMV) Release 3.7.0.0 and may also include installation for Quick Weather 1.0.0.0), or the METCAST Client CD-ROM for Sun Solaris version 8, which also installs the Joint METOC Viewer (JMV) for Sun Solaris (The initial release of Metcast 1.7.0.0 and JMV 3.7.0.0 does not contain a Solaris build).
- METCAST Client Segment v1.7 Series Installation Procedures (IP) dated 20 December 2002.
- METCAST Client Segment v1.7.0.0 Software Version Description (SVD) dated 20 December 2002.
- METCAST Client Segment Release 1.7 Series User Manual (UM) dated 20 December 2002.

3.2 Inventory of Software Contents

A listing of all executables and environment files delivered is contained in Appendix A of this document.

3.3 Changes Installed

A list of changes installed since the 1.3.0.0 release is contained in Appendix B of this document.

3.4 Waivers

There are no waivers associated with this software.

3.5 Adaptation Data

The only unique-to-site data for the METCAST Client release is the address of the METCAST servers to be used. These may be set using the METCAST Client GUI.

3.6 Installation Instructions

The *METCAST Client Segment v1.7 Series Installation Procedures (IP)* referenced in Section 2 of this document provide comprehensive installation instructions for the METCAST Client Segment. The METCAST Client segment for Windows NT, XP, 2000 and 98 platforms occupies approximately 59 MB of disc space. The software requires a minimum of 128MB of RAM and 2GB of free disc space is recommended to accommodate downloaded data.

The Sun Solaris version of METCAST Client (not yet released for version 1.7.0.0) will be bundled with the Joint Metoc Viewer (JMV) software, and as such, will occupy approximately 170MB of disc space. 512MB of RAM and 2GB of free disc space is required for the Sun Solaris version of the METCAST Client.

3.7 Possible Problems and Known Errors

Known problems and errors with METCAST Client software are listed in Appendix C of this document.

4 NOTES

4.1 Glossary of Acronyms

COE	Common Operating Environment
DII	Defense Information Infrastructure
FNMOCC	Fleet Numerical Meteorology and Oceanography Center
GUI	Graphical User Interface
HTTP	Hyper-Text Transfer Protocol
IP	Installation Procedure
IP	Internet Protocol
METCAST	METOC Broadcast
METOC	Meteorological and Oceanographic
MIME	Multipurpose Internet Mail Extensions
PC	Personal Computer
SRS	Software Requirements Specification
SVD	Software Version Description
T&E	Test and Evaluation
TCP	Transport Control Protocol
UM	User Manual

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APPENDIX A List of Executables and Environment Files

A.1 File Structure for Windows NT 4.0, Win 98 and Win 2000 Delivery

Directory of C:\jmwwin

```

12/19/2002  12:41p      <DIR>  .
12/19/2002  12:41p      <DIR>  ..
01/29/2003  12:09p      <DIR>  Docs
12/19/2002  12:19p      <DIR>  Noddsfls
01/17/2001  11:56a      61,440 mcuninstall.exe
11/19/2002  10:56p     618,496 metcast.exe
12/19/2002  11:58a     65,880 metcast_readme.txt
          3 File(s)      745,816 bytes

```

Directory of C:\jmwwin\Docs

```

12/19/2002  12:09p      <DIR>  .
12/19/2002  12:09p      <DIR>  ..
01/30/2003  11:54a     107,714 MCCLNT.PENTIUM-NT40.1_7_0_0.IP.pdf
01/30/2003  02:14p     90,557 MCCLNT.PENTIUM-NT40.1_7_0_0.SVD.pdf
01/30/2003  12:54p   1,408,948 MCCLNT.PENTIUM-NT40.1_7_0_0.UM.pdf
06/26/2002  02:02p     105,974 metcast_client_quickstart.pdf
06/26/2002  01:39p     13,500 metcast_client_quickstop.pdf
          5 File(s)      1,726,693 bytes

```

Directory of C:\jmwwin\Noddsfls

```

12/19/2002  12:19p      <DIR>  .
12/19/2002  12:19p      <DIR>  ..
08/31/2001  10:54a      <DIR>  bulletins
08/31/2001  10:54a      <DIR>  Channels
08/31/2001  10:54a      <DIR>  colorfls
11/26/2002  02:07p      <DIR>  globalhwd
12/19/2002  12:08p      <DIR>  help
04/17/2002  10:08a      <DIR>  jre
12/19/2002  12:14p      <DIR>  lib
08/31/2001  10:54a      <DIR>  settings
08/31/2001  10:54a      <DIR>  Storms
08/31/2001  10:54a      <DIR>  Tracks
08/31/2001  10:54a      <DIR>  Upperair
08/31/2001  10:54a      <DIR>  Warnings
10/20/1999  03:49p         1,289 .rsettings
11/19/2002  10:56p         9,445 AIREPparser.pm
11/19/2002  10:56p         5,296 AIRMETmerger.pm
11/19/2002  10:56p        12,616 AIRMETparser.pm
05/09/2002  06:59p        11,206 AIRMETprocessor.pm
05/09/2002  06:59p         3,646 amber_test_user.pl2
11/19/2002  10:56p         5,989 AMDARparser.pm
08/29/2001  09:02p       241,664 archive.exe
06/10/1998  03:01p         1,705 bsea.lst
11/19/2002  10:56p         2,445 BTSCmerger.pm
11/19/2002  10:56p         9,080 BTSCparser.pm
05/09/2002  06:59p         5,126 BTSCprocessor.pm
12/03/1999  01:49a         1,008 btsc-reconstr.pl
08/29/2001  09:02p       757,600 bulletins.txt
04/22/1999  06:31p         2,688 carp.pm
07/21/1998  02:25p          64 Centers.tbl

```

06/10/1998	03:02p	3,669	cgd1.lst
09/05/2000	11:08p	221,184	Chgarea.exe
11/24/1998	02:30p	4,789	coa2.lst
09/16/1998	09:52a	3,328	coa3.lst
11/10/1998	10:17a	3,459	coa7.lst
04/07/1999	08:12p	19,574	command_seal.bmp
10/05/1999	02:48p	11,264	consoleOff.exe
10/05/1999	02:44p	11,264	consoleOn.exe
01/09/1998	01:11p	186,656	cut0000.10d
04/22/1999	06:31p	6,903	cwd.pm
05/09/2002	06:59p	121	del.pl
09/05/2000	11:08p	217,088	delarea.exe
03/12/1999	01:02p	38	doit.bat
03/12/1999	01:02p	38,400	doit.exe
05/09/2002	06:59p	225,280	Duparea.exe
04/15/1999	10:21a	406	errmessage.html
04/22/1999	06:31p	12,457	exporter.pm
10/27/1998	04:10p	18,227	fieldlst.dat
12/17/1998	03:45p	22,727	fields.tbl
12/16/1999	10:04a	145,857	FNMOc.bak
12/16/1999	10:18a	145,859	FNMOc.xml
06/10/1998	03:03p	262	gin2.lst
06/10/1998	03:04p	786	glfs.lst
11/24/1998	11:32a	1,731	global.lst
09/02/1999	04:05p	15,606	globthmb.bmp
02/05/1999	08:22a	157,325	Grib.tbl
11/19/2002	10:56p	713	HWD.DTD
11/19/2002	10:56p	618,541	hwd2shape.exe
01/08/1998	04:58p	81	index.cut
12/03/1999	01:49a	32,712	index.wdb
06/10/1998	03:04p	919	indo.lst
06/10/1998	03:05p	2,752	iocn.lst
04/02/1999	04:11a	417,280	javai.dll
12/03/1999	01:49a	121,911	jmv_grib.tbl
11/09/1998	12:20p	136,240	jmv-params.tbl
04/02/1999	04:11a	70,656	jpeg.dll
05/09/2002	06:59p	32,768	JUtil.dll
06/10/1998	03:05p	919	kor2.lst
06/24/1998	12:53p	3,459	kora.lst
03/21/2001	10:46p	21,091	lax.jar
12/18/1998	04:39p	5,591	listfile.xml
11/19/2002	10:56p	3,945	mailcap
05/09/2001	05:07p	1,658	mailcap.push_thumbs
05/08/2002	04:24p	2,212	mailcap_damps
05/09/2002	06:59p	96	mailcapeditor.bat
12/19/2002	11:42a	4,014	mailcap-JMV
06/19/2002	06:10p	3,748	mailcap-JMV-MIDDS
06/19/2002	06:11p	4,722	mailcap-NITES
05/08/2002	04:24p	3,457	mailcap-UNIX
05/08/2002	04:24p	3,441	mailcap-WINOS
04/02/1999	04:11a	42,496	math.dll
06/10/1998	03:06p	919	meds.lst
11/19/2002	10:56p	6,377	merge.pl
09/05/2000	11:08p	1,806	METARmerger.pm
05/09/2002	06:59p	3,397	METARparser.pm
12/03/1999	01:50a	1,023	metar-reconstr.pl
12/11/2000	03:20p	1,661	metcast.con
05/09/2002	06:59p	3,646	metcast.key
12/03/1999	01:50a	77,622	metcast_splash.bmp
06/24/1999	08:24a	56,320	Mifproc.exe

04/02/1999	04:11a	7,168	mmedia.dll
04/22/1999	06:31p	1,737	Models.tbl
11/19/2002	10:56p	6,576	MTOC.dtd
08/14/1998	03:03p	10,656	multisat.lst
12/03/1999	01:50a	668,696	mwdb.all
12/03/1999	01:50a	272,808	names.lst
04/02/1999	04:11a	22,016	net.dll
11/24/1998	02:30p	3,326	norpl.lst
11/19/2002	10:56p	9,440	OBSmerger.pm
05/09/2002	06:59p	10,587	OBSparser.pm
05/09/2002	06:59p	12,932	OBSprocessor.pm
11/19/2002	10:56p	23,208	OMFparser.pm
05/09/2002	06:59p	12,978	OMFprocessor.pm
05/09/2002	06:59p	875	omnicast.policy
09/05/2000	11:08p	127,029	omniRetriever.exe
03/12/1999	01:02p	2,238	omniRetriever.ico
07/21/1998	02:25p	69,775	Params.tbl
11/19/2002	10:56p	20,480	perl.exe
08/29/2001	09:02p	647,168	perl56.dll
11/19/2002	10:56p	4,760	PIREPmerger.pm
11/19/2002	10:56p	8,257	PIREPparser.pm
05/09/2002	06:59p	8,112	PIREPprocessor.pm
11/19/2002	10:56p	540,672	procddata.exe
05/09/2002	06:59p	4,898	process.pl
05/09/2002	06:59p	113	PublishWizard.bat
07/16/1999	01:32p	3,467	push_product.pl
11/19/2002	10:56p	5,376	reconstruct.pl
08/29/2001	09:02p	308,736	RemoteRetrieverMonitor.exe
08/29/2001	09:02p	4,063	RemoteRetrieverMonitor.lax
11/19/2002	10:56p	25,133	ReportMerger.pm
11/19/2002	10:56p	23,476	ReportProcessor.pm
08/29/2001	09:02p	315,392	restore.exe
12/08/1999	03:27p	460	retriever.ini
08/29/2001	09:02p	308,736	RetrieverMonitor.exe
08/29/2001	09:02p	4,045	RetrieverMonitor.lax
03/21/2001	10:46p	308,736	RetrieverService.exe
03/21/2001	10:46p	4,043	RetrieverService.lax
03/21/2001	10:46p	308,736	RetrieverServiceC.exe
03/21/2001	10:46p	4,057	RetrieverServiceC.lax
03/21/2001	10:46p	308,736	RetrieverServiceN.exe
03/21/2001	10:46p	4,043	RetrieverServiceN.lax
03/12/1999	01:02p	197,120	RetrieverServices.exe
03/12/1999	01:02p	197,120	RetrieverTestbed.exe
08/03/2001	09:16a	3,537	RetrieverTestbed.lax
03/23/2001	06:31p	374,784	retrievr.exe
08/29/2001	09:02p	3,596	Retrievr.lax
05/09/2002	06:59p	230	Runchannels.bat
05/09/2002	06:59p	385,024	selarea.exe
03/21/2001	10:46p	40,960	ServiceManager.exe
11/19/2002	10:56p	888	SHIP.DTD
11/19/2002	10:56p	426,030	ship2shape.exe
11/19/2002	10:56p	6,278	SIGMETmerger.pm
05/09/2002	06:59p	6,391	SIGMETparser.pm
05/09/2002	06:59p	14,905	SIGMETprocessor.pm
12/12/2000	02:18p	602,112	skewt.exe
09/05/2000	11:08p	1,806	SPECImmerger.pm
05/09/2002	06:59p	353,050	stations.txt
06/10/1998	02:50p	3,407	swar.lst
06/10/1998	03:08p	919	swps.lst
04/02/1999	01:33a	398,336	syncjit.dll

11/19/2002	10:56p	3,267	SYNmerger.pm
05/09/2002	06:59p	8,180	SYNparser.pm
11/19/2002	10:56p	14,152	SYNprocessor.pl
12/03/1999	01:50a	991	syn-reconstr.pl
04/02/1999	04:11a	6,144	sysresource.dll
11/19/2002	10:56p	3,211	TAFmerger.pm
11/19/2002	10:56p	12,256	TAFparser.pm
11/19/2002	10:56p	9,919	TAFprocessor.pm
11/19/2002	10:56p	14,285	taf-reconstr.pl
12/03/1999	01:50a	190,464	tar.exe
07/17/1998	12:44p	21	template.lst
08/29/2001	09:02p	17,512	textdisp.pl
05/09/2002	06:59p	151,552	TextDisplay.exe
11/19/2002	10:56p	7,028	TEXTmerger.pm
11/19/2002	10:56p	4,660	TEXTparser.pm
05/09/2002	06:59p	221,184	Timezone.exe
08/29/2001	09:02p	5,818	translate.pl
11/19/2002	10:56p	2,232	UARmerger.pm
11/19/2002	10:56p	17,799	UARparser.pm
05/09/2002	06:59p	10,710	UARprocessor.pm
12/03/1999	01:50a	991	uar-reconstr.pl
06/24/1998	12:53p	5,057	unit.lst
11/19/2002	10:56p	29	VERSION
01/08/1998	04:58p	2,271	version.nfo
06/10/1998	03:08p	655	watl.lst
04/02/1999	04:11a	238,592	winawt.dll
03/23/2001	06:31p	322	wipe.xml
06/10/1998	03:09p	655	wpa2.lst
08/29/2001	09:02p	28,672	wrapper.exe
11/19/2002	10:56p	263,155	w-shove.exe
08/30/1999	12:20p	424	w-shove-thumb.conf
11/19/2002	10:56p	618,539	xml2shape.exe
04/02/1999	04:11a	46,080	zip.dll
	169 File(s)	13,590,380 bytes	

Directory of C:\jmvwin\Noddsfls\bulletins

08/31/2001	10:54a	<DIR>	.
08/31/2001	10:54a	<DIR>	..
	0 File(s)	0 bytes	

Directory of C:\jmvwin\Noddsfls\Channels

08/31/2001	10:54a	<DIR>	.
08/31/2001	10:54a	<DIR>	..
	0 File(s)	0 bytes	

Directory of C:\jmvwin\Noddsfls\colorfls

08/31/2001	10:54a	<DIR>	.
08/31/2001	10:54a	<DIR>	..
12/03/1999	01:49a	527	dprinter.ta
12/03/1999	01:49a	527	dscreen.ta
	2 File(s)	1,054 bytes	

Directory of C:\jmvwin\Noddsfls\globalhwd

11/26/2002	02:07p	<DIR>	.
11/26/2002	02:07p	<DIR>	..
	0 File(s)	0 bytes	

Directory of C:\jmvwin\Noddsfls\help

```

12/19/2002 12:08p <DIR> .
12/19/2002 12:08p <DIR> ..
12/19/2002 12:08p <DIR> Images
06/24/2002 03:41p 8,501 Area_Request_Setup_Dialog.htm
08/30/2001 06:06p 1,908 Area_Request_Status_Dialog.htm
06/24/2002 04:14p 14,988 Channels.htm
03/09/2001 03:54p 4,138 Choose_Area_Type_Dialog.htm
11/08/2001 12:27p 11,527 Choose_Products_Dialog.htm
09/14/2001 01:18p 1,648 Clean_Area_Dialog.htm
02/07/2000 04:55p 3,386 Configure_Viewers_Dialog.htm
06/29/2001 04:08p 4,892 ConfigureListRequestDialog.htm
06/21/2002 10:31a 9,665 ConfigureRetrievals.htm
06/20/2002 03:55p 3,986 Contents.htm
06/15/2001 01:50p 1,825 CreateNewListDialog.htm
02/07/2000 04:59p 1,365 Delete_Area_Confirmation_Dialog.htm
07/20/2000 03:30p 5,996 DisplayProducts.htm
06/24/2002 11:19a 13,104 DisplayStatus.htm
03/12/2001 11:23a 1,240 Duplicate_Area_Dialog.htm
04/20/1999 12:00a 1,688 Edit_Viewer_Dialog.htm
09/04/2001 12:52p 8,421 EditBulletinListDialog.htm
09/04/2001 12:51p 6,294 EditStationListDialog.htm
06/21/2002 10:38a 8,830 FirstTimeStartup.htm
04/20/1999 12:00a 817 Help.hhh
04/20/1999 12:00a 395 IEIndexTest.htm
10/26/2000 01:48p 1,207 JMV_Change_Area_Dialog.htm
10/27/2000 02:02p 4,489 JMV_Select_Area_Dialog.htm
11/25/2002 05:13p 9,516 KnownProblemsAndWorkarounds.htm
06/24/2002 01:44p 9,838 MailcapFileEditor.htm
02/14/2002 02:41p 30,199 ManageAreas.htm
06/24/2002 12:12p 27,775 ManageLists.htm
03/09/2001 05:09p 4,256 Map_Network_Drive.htm
04/20/1999 12:00a 3,254 MC_WebHelp_Context.bat
04/20/1999 12:00a 2,661 MC_WebHelp_context.csh
04/20/1999 12:00a 46 MCHHELP.BAT
10/05/1999 05:51p 3,332 MCHelp.css
11/25/2002 05:48p 19,265 MCHelp.hhc
06/24/2002 03:50p 138,336 MCHelp.hhk
04/20/1999 12:00a 1,602 MCHelp_context.hh
04/20/1999 12:00a 59 MCHelpContext.bat
10/05/1999 05:51p 3,386 MCHelpNS.css
03/27/2001 11:31a 2,556 Mercator_Area_Dialog.htm
05/30/2000 11:48a 8,538 METCAST_Client_Help.apf
06/28/2000 09:49a 90,976 METCAST_Help.apf
11/06/2000 05:19p 9,358 METCAST_WebHelp.apf
05/10/2000 12:49p 2,520 METCASTClientOverview.htm
06/20/2002 06:01p 2,287 MetcastPropertiesDialog.htm
03/06/2001 03:08p 10,281 METCASTRequestorScreen.htm
06/21/2002 10:19a 7,698 METCASTRequestorToolbar.htm
09/28/2001 04:03p 3,216 METCASTtoMETCASTTransfers.htm
04/20/1999 12:00a 2,264 Name_An_Area_Dialog.htm
05/10/2000 12:49p 2,894 NavigationBasics.htm
03/26/2001 06:09p 2,729 North_Pole_Area_Dialog.htm
04/05/2001 09:02a 2,445 Preview_Area_Dialog.htm
10/27/2000 01:32p 1,611 Remote_Area_Selection_Dialog.htm
11/25/2002 04:42p 6,976 ReportingMETCASTProblems.htm
06/21/2002 11:26a 15,096 RetrieverServiceNT.htm
02/14/2002 01:54p 3,241 Satellite_Areas_Dialog.htm

```

06/29/2000	10:02a	2,762	ScheduleRetrievals.htm
06/24/2002	03:27p	12,663	SelectProducts.htm
03/26/2002	03:37p	18,732	SolarisNotes.htm
06/21/2002	11:34a	11,238	Source_Configuration_Dialog.htm
03/27/2001	11:38a	2,750	South_Pole_Area_Dialog.htm
02/14/2002	02:41p	3,820	Special_Areas_Dialog.htm
11/25/2002	05:07p	15,518	TimeAndSourceConfiguration.htm
04/20/1999	12:00a	36,542	WebHelp.cab
04/20/1999	12:00a	1,578	WebHelp.csh
04/20/1999	12:00a	115,141	WebHelp.zip
06/24/2002	01:44p	2,775	WhatIsMETCAST.htm
06/21/2002	04:09p	22,785	What's_New.htm
04/20/1999	12:00a	1,023	WHIEInd.htm
04/20/1999	12:00a	1,059	WHIEToC.htm
06/20/2002	03:52p	269	WHStart.htm
04/20/1999	12:00a	1,051	WHToc.htm
06/24/2002	09:47a	4,085	WindowsControls.htm
06/24/2002	12:28p	17,156	Workflow.htm
	72 File(s)	819,468	bytes

Directory of C:\jmw\win\Noddsfls\help\Images

12/19/2002	12:08p	<DIR>	.
12/19/2002	12:08p	<DIR>	..
04/01/1999	12:00a	367	ALERT.GIF
12/16/2001	03:16p	10,081	AreaProperites.gif
12/16/2001	02:27p	10,208	AreaPropertiesDialog.gif
09/06/2000	02:58p	6,430	BulletinListOptionsDialog.gif
05/04/2002	10:48a	4,869	ChannelsDialog1.gif
05/04/2002	10:32a	8,563	ChannelsDialogWithChannel.gif
05/04/2002	10:34a	8,371	ChannelsDialogWithServer.gif
05/04/2002	10:44a	4,499	ChannelsMetcastServersDialog.gif
05/04/2002	10:31a	8,362	ChannelsPublishDialog.gif
04/01/1999	12:00a	7,911	ChannelsRequestSetup.gif
05/04/2002	10:33a	4,903	ChannelsRetrievalOptionsDialog.gif
05/04/2002	10:43a	9,257	ChannelsServerConfigurationDialog.gif
05/04/2002	10:30a	2,390	ChannelUploadSuccessfulDialog.gif
08/29/2001	03:01p	2,216	CleanArea.gif
03/06/2001	05:36p	8,174	ConfigureListRequest.gif
03/07/2001	09:44a	8,147	ConfigureListRequestDialog.gif
04/01/1999	12:00a	3,617	ConfigureViewersDialog.gif
02/04/2000	10:07a	1,080	CreateListIcon.gif
08/29/2001	10:28a	3,571	CreateNewListDialog.gif
10/26/2000	01:44p	3,137	DuplicateArea.gif
03/07/2001	09:45a	13,233	EditBulletinListDialog.gif
05/06/2002	10:09a	8,036	EditMailcapEntryDialog.gif
08/29/2001	03:46p	10,153	EditStationListDialog.gif
04/01/1999	12:00a	3,378	EditViewerDialog.gif
04/01/1999	12:00a	865	File.gif
04/01/1999	12:00a	878	Folder.gif
04/01/1999	12:00a	873	FolderClosed.gif
04/01/1999	12:00a	905	FolderOpen.gif
08/16/2000	08:48a	6,383	FolderSharingDialog.gif
03/06/2001	02:26p	4,977	Image100.gif
03/26/2001	01:15p	64,754	Image101.gif
02/14/2002	01:40p	64,095	Image102.gif
03/26/2001	01:22p	58,865	Image103.gif
02/14/2002	01:53p	61,318	Image104.gif
03/26/2001	01:23p	60,847	Image105.gif
04/03/2001	01:20p	54,955	Image106.gif

04/01/1999	12:00a	5,302	Image107.gif
02/07/2000	12:06p	21,718	Image109.gif
04/01/1999	12:00a	3,252	Image110.gif
04/01/1999	12:00a	3,237	Image111.gif
04/01/1999	12:00a	5,769	Image112.gif
04/01/1999	12:00a	7,838	Image114.gif
08/30/2001	11:11a	13,663	Image116.gif
04/01/1999	12:00a	21,353	Image85.gif
04/01/1999	12:00a	2,057	Image86.gif
04/01/1999	12:00a	1,294	Image87.gif
04/01/1999	12:00a	1,596	Image88.gif
04/01/1999	12:00a	1,557	Image90.gif
04/01/1999	12:00a	1,667	Image91.gif
04/01/1999	12:00a	1,185	Image92.gif
04/01/1999	12:00a	1,594	Image93.gif
04/01/1999	12:00a	1,522	Image94.gif
04/01/1999	12:00a	1,200	Image95.gif
04/01/1999	12:00a	3,203	Image97.gif
04/01/1999	12:00a	2,919	Image99.gif
04/01/1999	12:00a	5,974	JMVSelectArea.gif
10/05/1999	05:49p	1,684	KeepServiceActive.gif
07/25/2001	10:39a	1,742	KeepServiceActive.gif
06/28/2000	01:42p	10,611	ListRequest.gif
05/06/2002	10:52a	10,519	MailcapEditorDialog.gif
06/21/2002	02:11p	3,067	MailcapEditorMenu.gif
03/09/2001	04:08p	8,523	MapNetworkDriveDialog.gif
05/04/2002	11:44a	5,191	MetcastPropertiesDialog.gif
06/21/2002	11:25a	8,818	MetcastPropertiesDialog_small.gif
11/26/2002	12:34p	44,419	METCASTRequestorScreenFeatures.gif
10/05/1999	05:49p	4,414	METCASTServiceInstallerDialog.gif
05/07/2002	10:43a	2,903	MetcastUserInformationDialog.gif
04/01/1999	12:00a	46,165	METCASTWindow.gif
09/06/2000	03:04p	4,086	NetworkServersDialog.gif
07/24/2001	12:02p	9,112	NTServices_Retriever.gif
07/24/2001	12:31p	12,820	NTSystemPropertiesDialog_Path.gif
07/03/2000	09:31a	72,661	Product Selection Taus Select.gif
07/03/2000	09:29a	72,185	Product Selection Taus.gif
09/06/2000	03:23p	39,129	Product Selection.gif
10/16/2001	11:24a	38,485	ProductSelectionDialog.gif
10/16/2001	10:44a	12,687	ProductSelectionDialog-DefaultTaus.gif
10/16/2001	11:05a	13,979	ProductSelectionDialog-DefaultTaus- Selections.gif
10/16/2001	10:37a	12,646	ProductSelectionDialogNoTaus.gif
04/01/1999	12:00a	1,190	PulldownListClosed.gif
04/01/1999	12:00a	1,797	PulldownListOpen.gif
10/27/2000	01:17p	16,066	RemoteAreaSelection.gif
04/01/1999	12:00a	15,468	RemoteAreaSelectionDialog.gif
10/27/2000	01:52p	20,297	RemoteAreaSelectionDialogWithIcons.gif
04/01/1999	12:00a	17,019	RemoteAreaSelectionWithAreaIcon.gif
03/08/2001	10:31a	31,185	RemoteListDisplay.gif
10/26/2000	01:39p	3,060	RenameArea.gif
03/07/2001	02:53p	9,132	RequestSetupDialog.gif
04/01/1999	12:00a	41,995	RetrieverMonitor.gif
11/25/2002	04:21p	1,047	RetrieverMonitorButton.gif
04/01/1999	12:00a	70,054	RetrieverMonitorDetails.gif
06/06/2001	01:57p	5,776	RetrieverPreferencesDialog.gif
10/05/1999	05:49p	4,008	RetrieverServiceUninstallDialog.gif
10/05/1999	05:49p	23,120	RRM_IP.gif
10/05/1999	05:49p	24,345	RRMComputerSelection.gif
04/01/1999	12:00a	5,631	SelectChannelForPublication.gif

04/01/1999	12:00a	7,179	SelectChannels.gif
04/01/1999	12:00a	10,153	SelectFileToPublish.gif
10/27/2000	01:35p	5,317	SelectFullPathDialog.gif
08/29/2001	10:32a	3,692	SelectGlobalListDialog.gif
03/08/2001	10:09a	4,794	SelectRemoteListDialog.gif
03/08/2001	10:29a	5,341	SelectRemoteListDialog2.gif
06/20/2002	02:32p	9,726	ServerConfigurationDialog.gif
06/20/2002	05:28p	8,834	ServerConfigurationDialog_blank.gif
05/04/2002	11:01a	9,394	ServerConfigurationDialogEntries.gif
12/02/1999	01:49p	2,978	ServerVerification.gif
10/05/1999	05:49p	10,088	ServicesDialog.gif
08/29/2001	10:20a	4,465	SetDefaultTausDialog.gif
04/01/1999	12:00a	3,809	SetDefaultTausDialogWithSelections.gif
10/26/2000	02:14p	4,993	SharePermissionsDialog.gif
09/06/2000	03:39p	10,310	ShowSelectedDialog.gif
06/15/2001	09:14a	3,079	SolarisArtifactDialog.gif
06/15/2001	10:11a	30,058	SolarisKillRetrieverServiceDialog.gif
06/18/2001	09:40a	16,500	SolarisMetcastDataBrowserWindow.gif
06/15/2001	09:51a	22,372	SolarisMetcastRequestorWindow.gif
06/15/2001	09:18a	16,726	SolarisRetrieverMonitorWindow.gif
06/15/2001	09:04a	8,973	SolarisRetrieverServiceWindow.gif
06/15/2001	09:44a	27,069	SolarisServerConfigDialog.gif
06/15/2001	09:22a	6,601	SolarisUsernameDialog.gif
12/02/1999	01:45p	13,501	TextDisplay.gif
119 File(s)		1,611,556 bytes	

Directory of C:\jmvwin\Noddsfls\jre

04/17/2002	10:08a	<DIR>	.
04/17/2002	10:08a	<DIR>	..
04/17/2002	10:07a	<DIR>	bin
04/17/2002	10:08a	<DIR>	lib
02/07/2002	11:52a	1,104	CHANGES
02/07/2002	11:52a	4,516	COPYRIGHT
02/07/2002	11:52a	729,169	javaws-1_0_1_02-win-int.exe
02/07/2002	11:52a	13,851	LICENSE
02/07/2002	11:52a	9,146	README.txt
02/07/2002	11:52a	995	Welcome.html
6 File(s)		758,781 bytes	

Directory of C:\jmvwin\Noddsfls\jre\bin

04/17/2002	10:07a	<DIR>	.
04/17/2002	10:07a	<DIR>	..
04/17/2002	10:07a	<DIR>	client
04/17/2002	10:07a	<DIR>	server
02/07/2002	11:52a	41,047	ActPanel.dll
02/07/2002	11:52a	872,526	awt.dll
02/07/2002	11:52a	110,671	beans.ocx
02/07/2002	11:52a	139,342	cmm.dll
02/07/2002	11:52a	139,343	dcpr.dll
02/07/2002	11:52a	24,657	dt_shmem.dll
02/07/2002	11:52a	20,563	dt_socket.dll
02/07/2002	11:52a	323,683	fontmanager.dll
02/07/2002	11:52a	28,759	hpi.dll
02/07/2002	11:52a	45,130	hprof.dll
02/07/2002	11:52a	24,683	ioser12.dll
02/07/2002	11:52a	20,579	jaas_nt.dll
02/07/2002	11:52a	98,387	java.dll
02/07/2002	11:52a	24,649	java.exe

02/07/2002	11:52a	24,651	javaw.exe
02/07/2002	11:52a	20,560	jawt.dll
02/07/2002	11:52a	61,512	jcov.dll
02/07/2002	11:52a	41,054	JdbcOdbc.dll
02/07/2002	11:52a	98,377	jdwp.dll
02/07/2002	11:52a	278,615	jinstall.exe
02/07/2002	11:52a	122,960	jpeg.dll
02/07/2002	11:52a	94,290	jpins32.dll
02/07/2002	11:52a	65,623	jpishare.dll
02/07/2002	11:52a	131,160	jsound.dll
02/07/2002	11:52a	28,769	keytool.exe
02/07/2002	11:52a	266,293	msvcrt.dll
02/07/2002	11:52a	53,327	net.dll
02/07/2002	11:52a	32,848	nio.dll
02/07/2002	11:52a	86,104	NPJava11.dll
02/07/2002	11:52a	86,104	NPJava12.dll
02/07/2002	11:52a	86,104	NPJava13.dll
02/07/2002	11:52a	86,104	NPJava32.dll
02/07/2002	11:52a	86,101	NPJPI140.dll
02/07/2002	11:52a	94,297	NPOJI610.dll
02/07/2002	11:52a	28,788	orbd.exe
02/07/2002	11:52a	41,047	packager.dll
02/07/2002	11:52a	45,151	plugincl140.cpl
02/07/2002	11:52a	28,775	policytool.exe
02/07/2002	11:52a	20,558	rmi.dll
02/07/2002	11:52a	28,763	rmid.exe
02/07/2002	11:52a	28,775	rmiregistry.exe
02/07/2002	11:52a	24,704	servertool.exe
02/07/2002	11:52a	24,694	tnameserv.exe
02/07/2002	11:52a	53,325	verify.dll
02/07/2002	11:52a	20,563	w2k_lsa_auth.dll
02/07/2002	11:52a	53,332	zip.dll
	46 File(s)	4,157,347	bytes

Directory of C:\jmvwin\Noddsfls\jre\bin\client

04/17/2002	10:07a	<DIR>	.
04/17/2002	10:07a	<DIR>	..
02/07/2002	11:52a	1,060,864	jvm.dll
02/07/2002	11:52a	1,410	Xusage.txt
	2 File(s)	1,062,274	bytes

Directory of C:\jmvwin\Noddsfls\jre\bin\server

04/17/2002	10:07a	<DIR>	.
04/17/2002	10:07a	<DIR>	..
02/07/2002	11:52a	2,392,064	jvm.dll
02/07/2002	11:52a	1,410	Xusage.txt
	2 File(s)	2,393,474	bytes

Directory of C:\jmvwin\Noddsfls\jre\lib

04/17/2002	10:08a	<DIR>	.
04/17/2002	10:08a	<DIR>	..
03/08/2002	09:02a	<DIR>	applet
04/17/2002	10:08a	<DIR>	audio
04/17/2002	10:08a	<DIR>	cmm
04/17/2002	10:08a	<DIR>	ext
04/17/2002	10:08a	<DIR>	fonts
04/17/2002	10:08a	<DIR>	i386

```

04/17/2002  10:08a      <DIR>  images
04/17/2002  10:11a      <DIR>  security
04/17/2002  10:08a      <DIR>  zi
02/07/2002  11:52a      2,622,435 charsets.jar
02/07/2002  11:52a          5,506 content-types.properties
02/07/2002  11:52a          3,686 flavormap.properties
02/07/2002  11:52a          4,521 font.properties
02/07/2002  11:52a          4,718 font.properties.CP1250
02/07/2002  11:52a          4,718 font.properties.CP1251
02/07/2002  11:52a          4,718 font.properties.CP1253
02/07/2002  11:52a          4,718 font.properties.CP1254
02/07/2002  11:52a          4,491 font.properties.CP1256
02/07/2002  11:52a          4,595 font.properties.CP1257
02/07/2002  11:52a          5,354 font.properties.GB18030
02/07/2002  11:52a          5,801 font.properties.hi
02/07/2002  11:52a          3,413 font.properties.iw
02/07/2002  11:52a          7,082 font.properties.ja
02/07/2002  11:52a          5,742 font.properties.ko
02/07/2002  11:52a          4,748 font.properties.ru
02/07/2002  11:52a          5,756 font.properties.th
02/07/2002  11:52a          6,388 font.properties.zh
02/07/2002  11:52a          6,400 font.properties.zh.NT
02/07/2002  11:52a          6,894 font.properties.zh_TW
02/07/2002  11:52a          6,550 font.properties.zh_TW.95
02/07/2002  11:52a      770,961 jaws.jar
02/07/2002  11:52a          1,916 jawt.lib
02/07/2002  11:52a          76,291 jce.jar
02/07/2002  11:52a      450,286 jsse.jar
02/07/2002  11:52a          2,689 jvm.hprof.txt
02/07/2002  11:52a          4,788 jvm.jcov.txt
02/07/2002  11:52a          2,245 logging.properties
02/07/2002  11:52a          3,070 psfont.properties.ja
02/07/2002  11:52a          10,669 psfontj2d.properties
02/07/2002  11:52a      23,201,949 rt.jar
02/07/2002  11:52a          90,973 sunrsasign.jar
02/07/2002  11:52a          6,700 tzmappings
      33 File(s)      27,350,771 bytes

```

Directory of C:\jmvwin\Noddsfls\jre\lib\applet

```

03/08/2002  09:02a      <DIR>  .
03/08/2002  09:02a      <DIR>  ..
      0 File(s)      0 bytes

```

Directory of C:\jmvwin\Noddsfls\jre\lib\audio

```

04/17/2002  10:08a      <DIR>  .
04/17/2002  10:08a      <DIR>  ..
02/07/2002  11:52a      493,589 soundbank.gm
      1 File(s)      493,589 bytes

```

Directory of C:\jmvwin\Noddsfls\jre\lib\cmm

```

04/17/2002  10:08a      <DIR>  .
04/17/2002  10:08a      <DIR>  ..
02/07/2002  11:52a          51,236 CIEXYZ.pf
02/07/2002  11:52a           632 GRAY.pf
02/07/2002  11:52a          1,044 LINEAR_RGB.pf
02/07/2002  11:52a        274,474 PYCC.pf
02/07/2002  11:52a        150,368 sRGB.pf

```

5 File(s) 477,754 bytes

Directory of C:\jmvwin\Noddsfls\jre\lib\ext

04/17/2002 10:08a <DIR> .
04/17/2002 10:08a <DIR> ..
02/07/2002 11:52a 4,391 dnsns.jar
02/07/2002 11:52a 53,559 ldapsec.jar
02/07/2002 11:52a 664,070 localedata.jar
02/07/2002 11:52a 116,788 sunjce_provider.jar
4 File(s) 838,808 bytes

Directory of C:\jmvwin\Noddsfls\jre\lib\fonts

04/17/2002 10:08a <DIR> .
04/17/2002 10:08a <DIR> ..
02/07/2002 11:52a 75,144 LucidaBrightDemiBold.ttf
02/07/2002 11:52a 75,124 LucidaBrightDemiItalic.ttf
02/07/2002 11:52a 80,856 LucidaBrightItalic.ttf
02/07/2002 11:52a 344,908 LucidaBrightRegular.ttf
02/07/2002 11:52a 208,628 LucidaSansDemiBold.ttf
02/07/2002 11:52a 698,236 LucidaSansRegular.ttf
02/07/2002 11:52a 141,272 LucidaTypewriterBold.ttf
02/07/2002 11:52a 242,700 LucidaTypewriterRegular.ttf
8 File(s) 1,866,868 bytes

Directory of C:\jmvwin\Noddsfls\jre\lib\i386

04/17/2002 10:08a <DIR> .
04/17/2002 10:08a <DIR> ..
02/07/2002 11:52a 671 jvm.cfg
1 File(s) 671 bytes

Directory of C:\jmvwin\Noddsfls\jre\lib\images

04/17/2002 10:08a <DIR> .
04/17/2002 10:08a <DIR> ..
04/17/2002 10:08a <DIR> cursors
0 File(s) 0 bytes

Directory of C:\jmvwin\Noddsfls\jre\lib\images\cursors

04/17/2002 10:08a <DIR> .
04/17/2002 10:08a <DIR> ..
02/07/2002 11:52a 1,318 cursors.properties
02/07/2002 11:52a 153 invalid32x32.gif
02/07/2002 11:52a 165 win32_CopyDrop32x32.gif
02/07/2002 11:52a 153 win32_CopyNoDrop32x32.gif
02/07/2002 11:52a 168 win32_LinkDrop32x32.gif
02/07/2002 11:52a 153 win32_LinkNoDrop32x32.gif
02/07/2002 11:52a 147 win32_MoveDrop32x32.gif
02/07/2002 11:52a 153 win32_MoveNoDrop32x32.gif
8 File(s) 2,410 bytes

Directory of C:\jmvwin\Noddsfls\jre\lib\security

04/17/2002 10:11a <DIR> .
04/17/2002 10:11a <DIR> ..
02/07/2002 11:52a 7,365 cacerts
02/07/2002 11:52a 2,223 java.policy

02/07/2002	11:52a	6,762	java.security
11/19/2002	10:56p	8,389	jssecacerts
02/07/2002	11:52a	3,113	local_policy.jar
02/07/2002	11:52a	2,641	US_export_policy.jar
	6 File(s)		30,493 bytes

Directory of C:\jmvwin\Noddsfls\jre\lib\zi

04/17/2002	10:08a	<DIR>	.
04/17/2002	10:08a	<DIR>	..
04/17/2002	10:08a	<DIR>	Africa
04/17/2002	10:08a	<DIR>	America
04/17/2002	10:08a	<DIR>	Antarctica
04/17/2002	10:08a	<DIR>	Asia
04/17/2002	10:08a	<DIR>	Atlantic
04/17/2002	10:08a	<DIR>	Australia
04/17/2002	10:08a	<DIR>	Etc
04/17/2002	10:08a	<DIR>	Europe
04/17/2002	10:08a	<DIR>	Indian
04/17/2002	10:08a	<DIR>	Pacific
02/07/2002	11:52a	1,168	CET
02/07/2002	11:52a	1,072	EET
02/07/2002	11:52a	27	GMT
02/07/2002	11:52a	1,168	MET
02/07/2002	11:52a	1,068	WET
02/07/2002	11:52a	12,809	ZoneInfoMappings
	6 File(s)		17,312 bytes

Directory of C:\jmvwin\Noddsfls\jre\lib\zi\Africa

04/17/2002	10:08a	<DIR>	.
04/17/2002	10:08a	<DIR>	..
02/07/2002	11:52a	65	Abidjan
02/07/2002	11:52a	181	Accra
02/07/2002	11:52a	65	Addis_Ababa
02/07/2002	11:52a	333	Algiers
02/07/2002	11:52a	65	Asmera
02/07/2002	11:52a	85	Bamako
02/07/2002	11:52a	65	Bangui
02/07/2002	11:52a	77	Banjul
02/07/2002	11:52a	77	Bissau
02/07/2002	11:52a	65	Blantyre
02/07/2002	11:52a	65	Brazzaville
02/07/2002	11:52a	27	Bujumbura
02/07/2002	11:52a	1,500	Cairo
02/07/2002	11:52a	213	Casablanca
02/07/2002	11:52a	1,112	Ceuta
02/07/2002	11:52a	85	Conakry
02/07/2002	11:52a	77	Dakar
02/07/2002	11:52a	85	Dar_es_Salaam
02/07/2002	11:52a	65	Djibouti
02/07/2002	11:52a	65	Douala
02/07/2002	11:52a	77	El_Aaiun
02/07/2002	11:52a	313	Freetown
02/07/2002	11:52a	77	Gaborone
02/07/2002	11:52a	65	Harare
02/07/2002	11:52a	105	Johannesburg
02/07/2002	11:52a	97	Kampala
02/07/2002	11:52a	337	Khartoum
02/07/2002	11:52a	65	Kigali

02/07/2002	11:52a	27	Kinshasa
02/07/2002	11:52a	65	Lagos
02/07/2002	11:52a	65	Libreville
02/07/2002	11:52a	27	Lome
02/07/2002	11:52a	65	Luanda
02/07/2002	11:52a	27	Lubumbashi
02/07/2002	11:52a	65	Lusaka
02/07/2002	11:52a	77	Malabo
02/07/2002	11:52a	65	Maputo
02/07/2002	11:52a	89	Maseru
02/07/2002	11:52a	65	Mbabane
02/07/2002	11:52a	73	Mogadishu
02/07/2002	11:52a	77	Monrovia
02/07/2002	11:52a	97	Nairobi
02/07/2002	11:52a	89	Ndjamena
02/07/2002	11:52a	89	Niamey
02/07/2002	11:52a	85	Nouakchott
02/07/2002	11:52a	65	Ouagadougou
02/07/2002	11:52a	77	Porto-Novo
02/07/2002	11:52a	65	Sao_Tome
02/07/2002	11:52a	65	Timbuktu
02/07/2002	11:52a	293	Tripoli
02/07/2002	11:52a	265	Tunis
02/07/2002	11:52a	824	Windhoek

52 File(s) 8,309 bytes

Directory of C:\jmvwin\Noddsfls\jre\lib\zi\America

04/17/2002	10:08a	<DIR>	.
04/17/2002	10:08a	<DIR>	..
04/17/2002	10:08a	<DIR>	Indiana
04/17/2002	10:08a	<DIR>	Kentucky
04/17/2002	10:08a	<DIR>	North_Dakota
02/07/2002	11:52a	1,224	Adak
02/07/2002	11:52a	1,224	Anchorage
02/07/2002	11:52a	65	Anguilla
02/07/2002	11:52a	77	Antigua
02/07/2002	11:52a	1,036	Araguaina
02/07/2002	11:52a	77	Aruba
02/07/2002	11:52a	1,116	Asuncion
02/07/2002	11:52a	137	Barbados
02/07/2002	11:52a	297	Belem
02/07/2002	11:52a	513	Belize
02/07/2002	11:52a	329	Boa_Vista
02/07/2002	11:52a	89	Bogota
02/07/2002	11:52a	1,284	Boise
02/07/2002	11:52a	613	Buenos_Aires
02/07/2002	11:52a	1,096	Cambridge_Bay
02/07/2002	11:52a	792	Cancun
02/07/2002	11:52a	77	Caracas
02/07/2002	11:52a	581	Catamarca
02/07/2002	11:52a	77	Cayenne
02/07/2002	11:52a	65	Cayman
02/07/2002	11:52a	1,960	Chicago
02/07/2002	11:52a	816	Chihuahua
02/07/2002	11:52a	565	Cordoba
02/07/2002	11:52a	137	Costa_Rica
02/07/2002	11:52a	1,116	Cuiaba
02/07/2002	11:52a	77	Curacao
02/07/2002	11:52a	341	Danmarkshavn

02/07/2002	11:52a	1,108	Dawson
02/07/2002	11:52a	509	Dawson_Creek
02/07/2002	11:52a	1,336	Denver
02/07/2002	11:52a	1,200	Detroit
02/07/2002	11:52a	65	Dominica
02/07/2002	11:52a	1,316	Edmonton
02/07/2002	11:52a	313	Eirunepe
02/07/2002	11:52a	105	El_Salvador
02/07/2002	11:52a	972	Fortaleza
02/07/2002	11:52a	1,204	Glance_Bay
02/07/2002	11:52a	1,036	Godthab
02/07/2002	11:52a	1,792	Goose_Bay
02/07/2002	11:52a	1,044	Grand_Turk
02/07/2002	11:52a	65	Grenada
02/07/2002	11:52a	65	Guadeloupe
02/07/2002	11:52a	121	Guatemala
02/07/2002	11:52a	65	Guayaquil
02/07/2002	11:52a	89	Guyana
02/07/2002	11:52a	1,924	Halifax
02/07/2002	11:52a	1,372	Havana
02/07/2002	11:52a	189	Hermosillo
02/07/2002	11:52a	329	Indianapolis
02/07/2002	11:52a	1,096	Inuvik
02/07/2002	11:52a	1,092	Iqaluit
02/07/2002	11:52a	233	Jamaica
02/07/2002	11:52a	605	Jujuy
02/07/2002	11:52a	1,224	Juneau
02/07/2002	11:52a	81	La_Paz
02/07/2002	11:52a	169	Lima
02/07/2002	11:52a	1,560	Los_Angeles
02/07/2002	11:52a	1,500	Louisville
02/07/2002	11:52a	988	Maceio
02/07/2002	11:52a	153	Managua
02/07/2002	11:52a	313	Manaus
02/07/2002	11:52a	89	Martinique
02/07/2002	11:52a	840	Mazatlan
02/07/2002	11:52a	605	Mendoza
02/07/2002	11:52a	1,216	Menominee
02/07/2002	11:52a	788	Merida
02/07/2002	11:52a	277	Mexico_City
02/07/2002	11:52a	1,032	Miquelon
02/07/2002	11:52a	788	Monterrey
02/07/2002	11:52a	581	Montevideo
02/07/2002	11:52a	1,928	Montreal
02/07/2002	11:52a	65	Montserrat
02/07/2002	11:52a	1,284	Nassau
02/07/2002	11:52a	1,960	New_York
02/07/2002	11:52a	1,144	Nipigon
02/07/2002	11:52a	1,228	Nome
02/07/2002	11:52a	329	Noronha
02/07/2002	11:52a	65	Panama
02/07/2002	11:52a	1,096	Pangnirtung
02/07/2002	11:52a	101	Paramaribo
02/07/2002	11:52a	141	Phoenix
02/07/2002	11:52a	65	Port_of_Spain
02/07/2002	11:52a	313	Port-au-Prince
02/07/2002	11:52a	297	Porto_Velho
02/07/2002	11:52a	77	Puerto_Rico
02/07/2002	11:52a	1,144	Rainy_River
02/07/2002	11:52a	1,088	Rankin_Inlet

```

02/07/2002  11:52a      972 Recife
02/07/2002  11:52a      497 Regina
02/07/2002  11:52a      297 Rio_Branco
02/07/2002  11:52a      581 Rosario
02/07/2002  11:52a     1,360 Santiago
02/07/2002  11:52a       201 Santo_Domingo
02/07/2002  11:52a     1,116 Sao_Paulo
02/07/2002  11:52a     1,040 Scoresbysund
02/07/2002  11:52a     2,048 St_Johns
02/07/2002  11:52a        65 St_Kitts
02/07/2002  11:52a        65 St_Lucia
02/07/2002  11:52a        65 St_Thomas
02/07/2002  11:52a        65 St_Vincent
02/07/2002  11:52a       241 Swift_Current
02/07/2002  11:52a       105 Tegucigalpa
02/07/2002  11:52a       201 Thule
02/07/2002  11:52a     1,192 Thunder_Bay
02/07/2002  11:52a     1,276 Tijuana
02/07/2002  11:52a        65 Tortola
02/07/2002  11:52a     1,592 Vancouver
02/07/2002  11:52a     1,108 Whitehorse
02/07/2002  11:52a     1,568 Winnipeg
02/07/2002  11:52a     1,220 Yakutat
02/07/2002  11:52a     1,088 Yellowknife
    111 File(s)      77,583 bytes

```

Directory of C:\jmvwin\Noddsfls\jre\lib\zi\America\Indiana

```

04/17/2002  10:08a      <DIR>  .
04/17/2002  10:08a      <DIR>  ..
02/07/2002  11:52a       765 Knox
02/07/2002  11:52a       361 Marengo
02/07/2002  11:52a       185 Vevay
    3 File(s)  1,311 bytes

```

Directory of C:\jmvwin\Noddsfls\jre\lib\zi\America\Kentucky

```

04/17/2002  10:08a      <DIR>  .
04/17/2002  10:08a      <DIR>  ..
02/07/2002  11:52a     1,260 Monticello
    1 File(s)  1,260 bytes

```

Directory of C:\jmvwin\Noddsfls\jre\lib\zi\America\North_Dakota

```

04/17/2002  10:08a      <DIR>  .
04/17/2002  10:08a      <DIR>  ..
02/07/2002  11:52a     1,276 Center
    1 File(s)  1,276 bytes

```

Directory of C:\jmvwin\Noddsfls\jre\lib\zi\Antarctica

```

04/17/2002  10:08a      <DIR>  .
04/17/2002  10:08a      <DIR>  ..
02/07/2002  11:52a        65 Casey
02/07/2002  11:52a        81 Davis
02/07/2002  11:52a        81 DumontDUrville
02/07/2002  11:52a        65 Mawson
02/07/2002  11:52a     1,124 McMurdo
02/07/2002  11:52a     1,144 Palmer
02/07/2002  11:52a        65 Syowa

```

02/07/2002 11:52a 65 Vostok
8 File(s) 2,690 bytes

Directory of C:\jmw\win\Noddsfls\jre\lib\zi\Asia

04/17/2002 10:08a <DIR> .
04/17/2002 10:08a <DIR> ..
02/07/2002 11:52a 65 Aden
02/07/2002 11:52a 1,032 Almaty
02/07/2002 11:52a 1,052 Amman
02/07/2002 11:52a 1,044 Anadyr
02/07/2002 11:52a 1,032 Aqtau
02/07/2002 11:52a 1,032 Aqtobe
02/07/2002 11:52a 269 Ashgabat
02/07/2002 11:52a 1,004 Baghdad
02/07/2002 11:52a 77 Bahrain
02/07/2002 11:52a 984 Baku
02/07/2002 11:52a 65 Bangkok
02/07/2002 11:52a 1,208 Beirut
02/07/2002 11:52a 1,024 Bishkek
02/07/2002 11:52a 77 Brunei
02/07/2002 11:52a 97 Calcutta
02/07/2002 11:52a 361 Choibalsan
02/07/2002 11:52a 181 Chongqing
02/07/2002 11:52a 121 Colombo
02/07/2002 11:52a 1,300 Damascus
02/07/2002 11:52a 97 Dhaka
02/07/2002 11:52a 93 Dili
02/07/2002 11:52a 65 Dubai
02/07/2002 11:52a 261 Dushanbe
02/07/2002 11:52a 1,236 Gaza
02/07/2002 11:52a 205 Harbin
02/07/2002 11:52a 617 Hong_Kong
02/07/2002 11:52a 357 Hovd
02/07/2002 11:52a 1,040 Irkutsk
02/07/2002 11:52a 129 Jakarta
02/07/2002 11:52a 85 Jayapura
02/07/2002 11:52a 1,236 Jerusalem
02/07/2002 11:52a 65 Kabul
02/07/2002 11:52a 1,040 Kamchatka
02/07/2002 11:52a 101 Karachi
02/07/2002 11:52a 193 Kashgar
02/07/2002 11:52a 77 Katmandu
02/07/2002 11:52a 1,040 Krasnoyarsk
02/07/2002 11:52a 121 Kuala_Lumpur
02/07/2002 11:52a 217 Kuching
02/07/2002 11:52a 65 Kuwait
02/07/2002 11:52a 393 Macao
02/07/2002 11:52a 1,040 Magadan
02/07/2002 11:52a 125 Manila
02/07/2002 11:52a 65 Muscat
02/07/2002 11:52a 1,116 Nicosia
02/07/2002 11:52a 1,048 Novosibirsk
02/07/2002 11:52a 1,040 Omsk
02/07/2002 11:52a 97 Phnom_Penh
02/07/2002 11:52a 125 Pontianak
02/07/2002 11:52a 101 Pyongyang
02/07/2002 11:52a 77 Qatar
02/07/2002 11:52a 85 Rangoon
02/07/2002 11:52a 65 Riyadh

```

02/07/2002  11:52a      4,661 Riyadh87
02/07/2002  11:52a      4,581 Riyadh88
02/07/2002  11:52a      4,581 Riyadh89
02/07/2002  11:52a         97 Saigon
02/07/2002  11:52a     1,044 Sakhalin
02/07/2002  11:52a        281 Samarkand
02/07/2002  11:52a        165 Seoul
02/07/2002  11:52a        201 Shanghai
02/07/2002  11:52a        121 Singapore
02/07/2002  11:52a        381 Taipei
02/07/2002  11:52a        277 Tashkent
02/07/2002  11:52a     1,008 Tbilisi
02/07/2002  11:52a        924 Tehran
02/07/2002  11:52a         77 Thimphu
02/07/2002  11:52a         27 Tokyo
02/07/2002  11:52a         85 Ujung_Pandang
02/07/2002  11:52a        357 Ulaanbaatar
02/07/2002  11:52a        181 Urumqi
02/07/2002  11:52a         97 Vientiane
02/07/2002  11:52a     1,040 Vladivostok
02/07/2002  11:52a     1,040 Yakutsk
02/07/2002  11:52a     1,040 Yekaterinburg
02/07/2002  11:52a     1,016 Yerevan
      76 File(s)      49,024 bytes

```

Directory of C:\jmvwin\Noddsfls\jre\lib\zi\Atlantic

```

04/17/2002  10:08a      <DIR>  .
04/17/2002  10:08a      <DIR>  ..
02/07/2002  11:52a     1,868 Azores
02/07/2002  11:52a     1,124 Bermuda
02/07/2002  11:52a     1,044 Canary
02/07/2002  11:52a         97 Cape_Verde
02/07/2002  11:52a     1,016 Faeroe
02/07/2002  11:52a     1,864 Madeira
02/07/2002  11:52a        577 Reykjavik
02/07/2002  11:52a         27 South_Georgia
02/07/2002  11:52a         65 St_Helena
02/07/2002  11:52a     1,080 Stanley
      10 File(s)    8,762 bytes

```

Directory of C:\jmvwin\Noddsfls\jre\lib\zi\Australia

```

04/17/2002  10:08a      <DIR>  .
04/17/2002  10:08a      <DIR>  ..
02/07/2002  11:52a     1,224 Adelaide
02/07/2002  11:52a        189 Brisbane
02/07/2002  11:52a     1,224 Broken_Hill
02/07/2002  11:52a        125 Darwin
02/07/2002  11:52a     1,288 Hobart
02/07/2002  11:52a        221 Lindeman
02/07/2002  11:52a     1,012 Lord_Howe
02/07/2002  11:52a     1,224 Melbourne
02/07/2002  11:52a        157 Perth
02/07/2002  11:52a     1,224 Sydney
      10 File(s)    7,888 bytes

```

Directory of C:\jmvwin\Noddsfls\jre\lib\zi\Etc

```

04/17/2002  10:08a      <DIR>  .

```

```

04/17/2002 10:08a <DIR> ..
02/07/2002 11:52a      27 GMT
02/07/2002 11:52a      27 GMT+1
02/07/2002 11:52a      27 GMT+10
02/07/2002 11:52a      27 GMT+11
02/07/2002 11:52a      27 GMT+12
02/07/2002 11:52a      27 GMT+2
02/07/2002 11:52a      27 GMT+3
02/07/2002 11:52a      27 GMT+4
02/07/2002 11:52a      27 GMT+5
02/07/2002 11:52a      27 GMT+6
02/07/2002 11:52a      27 GMT+7
02/07/2002 11:52a      27 GMT+8
02/07/2002 11:52a      27 GMT+9
02/07/2002 11:52a      27 GMT-1
02/07/2002 11:52a      27 GMT-10
02/07/2002 11:52a      27 GMT-11
02/07/2002 11:52a      27 GMT-12
02/07/2002 11:52a      27 GMT-13
02/07/2002 11:52a      27 GMT-14
02/07/2002 11:52a      27 GMT-2
02/07/2002 11:52a      27 GMT-3
02/07/2002 11:52a      27 GMT-4
02/07/2002 11:52a      27 GMT-5
02/07/2002 11:52a      27 GMT-6
02/07/2002 11:52a      27 GMT-7
02/07/2002 11:52a      27 GMT-8
02/07/2002 11:52a      27 GMT-9
02/07/2002 11:52a      27 UCT
02/07/2002 11:52a      27 UTC
      29 File(s)      783 bytes

```

Directory of C:\jmw\win\Noddsfls\jre\lib\zi\Europe

```

04/17/2002 10:08a <DIR> .
04/17/2002 10:08a <DIR> ..
02/07/2002 11:52a      1,544 Amsterdam
02/07/2002 11:52a      968 Andorra
02/07/2002 11:52a      1,196 Athens
02/07/2002 11:52a      2,032 Belfast
02/07/2002 11:52a      1,040 Belgrade
02/07/2002 11:52a      1,236 Berlin
02/07/2002 11:52a      1,564 Brussels
02/07/2002 11:52a      1,180 Bucharest
02/07/2002 11:52a      1,312 Budapest
02/07/2002 11:52a      1,212 Chisinau
02/07/2002 11:52a      1,152 Copenhagen
02/07/2002 11:52a      1,916 Dublin
02/07/2002 11:52a      1,676 Gibraltar
02/07/2002 11:52a      1,036 Helsinki
02/07/2002 11:52a      1,464 Istanbul
02/07/2002 11:52a      1,140 Kaliningrad
02/07/2002 11:52a      1,048 Kiev
02/07/2002 11:52a      1,868 Lisbon
02/07/2002 11:52a      2,024 London
02/07/2002 11:52a      1,568 Luxembourg
02/07/2002 11:52a      1,416 Madrid
02/07/2002 11:52a      1,440 Malta
02/07/2002 11:52a      1,064 Minsk
02/07/2002 11:52a      1,576 Monaco

```

02/07/2002	11:52a	1,152	Moscow
02/07/2002	11:52a	1,216	Oslo
02/07/2002	11:52a	1,568	Paris
02/07/2002	11:52a	1,216	Prague
02/07/2002	11:52a	1,108	Riga
02/07/2002	11:52a	1,440	Rome
02/07/2002	11:52a	1,040	Samara
02/07/2002	11:52a	1,064	Simferopol
02/07/2002	11:52a	1,088	Sofia
02/07/2002	11:52a	1,040	Stockholm
02/07/2002	11:52a	469	Tallinn
02/07/2002	11:52a	1,164	Tirane
02/07/2002	11:52a	1,052	Uzhgorod
02/07/2002	11:52a	1,008	Vaduz
02/07/2002	11:52a	1,184	Vienna
02/07/2002	11:52a	465	Vilnius
02/07/2002	11:52a	1,400	Warsaw
02/07/2002	11:52a	1,072	Zaporozhye
02/07/2002	11:52a	1,056	Zurich
	43 File(s)		54,474 bytes

Directory of C:\jmwwin\Noddsfls\jre\lib\zi\Indian

04/17/2002	10:08a	<DIR>	.
04/17/2002	10:08a	<DIR>	..
02/07/2002	11:52a	89	Antananarivo
02/07/2002	11:52a	65	Chagos
02/07/2002	11:52a	27	Christmas
02/07/2002	11:52a	27	Cocos
02/07/2002	11:52a	65	Comoro
02/07/2002	11:52a	65	Kerguelen
02/07/2002	11:52a	65	Mahe
02/07/2002	11:52a	65	Maldives
02/07/2002	11:52a	65	Mauritius
02/07/2002	11:52a	65	Mayotte
02/07/2002	11:52a	65	Reunion
	11 File(s)		663 bytes

Directory of C:\jmwwin\Noddsfls\jre\lib\zi\Pacific

04/17/2002	10:08a	<DIR>	.
04/17/2002	10:08a	<DIR>	..
02/07/2002	11:52a	77	Apia
02/07/2002	11:52a	1,336	Auckland
02/07/2002	11:52a	856	Chatham
02/07/2002	11:52a	1,264	Easter
02/07/2002	11:52a	233	Efate
02/07/2002	11:52a	89	Enderbury
02/07/2002	11:52a	65	Fakaofu
02/07/2002	11:52a	105	Fiji
02/07/2002	11:52a	65	Funafuti
02/07/2002	11:52a	77	Galapagos
02/07/2002	11:52a	65	Gambier
02/07/2002	11:52a	65	Guadalcanal
02/07/2002	11:52a	65	Guam
02/07/2002	11:52a	117	Honolulu
02/07/2002	11:52a	27	Johnston
02/07/2002	11:52a	89	Kiritimati
02/07/2002	11:52a	85	Kosrae
02/07/2002	11:52a	89	Kwajalein

02/07/2002	11:52a	77	Majuro
02/07/2002	11:52a	65	Marquesas
02/07/2002	11:52a	65	Midway
02/07/2002	11:52a	97	Nauru
02/07/2002	11:52a	89	Niue
02/07/2002	11:52a	77	Norfolk
02/07/2002	11:52a	121	Noumea
02/07/2002	11:52a	77	Pago_Pago
02/07/2002	11:52a	65	Palau
02/07/2002	11:52a	77	Pitcairn
02/07/2002	11:52a	65	Ponape
02/07/2002	11:52a	27	Port_Moresby
02/07/2002	11:52a	285	Rarotonga
02/07/2002	11:52a	77	Saipan
02/07/2002	11:52a	65	Tahiti
02/07/2002	11:52a	65	Tarawa
02/07/2002	11:52a	133	Tongatapu
02/07/2002	11:52a	65	Truk
02/07/2002	11:52a	65	Wake
02/07/2002	11:52a	65	Wallis
02/07/2002	11:52a	77	Yap

39 File(s) 6,568 bytes

Directory of C:\jmvwin\Noddsfls\lib

12/19/2002	12:14p	<DIR>	.
12/19/2002	12:14p	<DIR>	..
08/29/2001	09:02p	522,942	kiwi.jar
05/09/2002	06:59p	40,648	mailcapeditor.jar
11/19/2002	10:56p	306,433	omnicast.jar
11/19/2002	10:56p	55,951	PublishWizard.jar

4 File(s) 925,974 bytes

Directory of C:\jmvwin\Noddsfls\settings

08/31/2001	10:54a	<DIR>	.
08/31/2001	10:54a	<DIR>	..
03/12/1999	01:02p	3,004	mailcap.ser
03/12/1999	01:02p	3,893	satArea.ser
03/12/1999	01:02p	336	service.ser

3 File(s) 7,233 bytes

Directory of C:\jmvwin\Noddsfls\Storms

08/31/2001	10:54a	<DIR>	.
08/31/2001	10:54a	<DIR>	..

0 File(s) 0 bytes

Directory of C:\jmvwin\Noddsfls\Tracks

08/31/2001	10:54a	<DIR>	.
08/31/2001	10:54a	<DIR>	..

0 File(s) 0 bytes

Directory of C:\jmvwin\Noddsfls\Upperair

08/31/2001	10:54a	<DIR>	.
08/31/2001	10:54a	<DIR>	..

0 File(s) 0 bytes

Directory of C:\jmvwin\Noddsfls\Warnings

```
08/31/2001  10:54a      <DIR>  .
08/31/2001  10:54a      <DIR>  ..
           0 File(s)      0 bytes
```

```
Total Files Listed:
899 File(s)      59,665,400 bytes
```

A.2 File Structure for Sun Solaris Delivery

This release of METCAST Client v1.7.0.0 does not include a Solaris delivery.

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APPENDIX B Changes Installed

Release 1.7.0.0 incorporates the following changes:

- The Metcast Client v1.7.0.0 installation program was built with InstallShield version 8.0. This will allow FNMOC to issue software patches as necessary to correct problems or add software enhancements to the released versions of the Metcast Client software.
- The Special Area and Satellite Area selection dialogs have been redesigned to simplify the creation of these areas types. When the mouse cursor hovers over the border of an area, the area's name will appear in a text box at the lower left corner of the dialog. Select an area by clicking on or within the highlighted area border.
- A new Channels interface for publishing and retrieving data via the Metcast channels. Refer to Section 5.10 in the Metcast Client Users Manual for complete details and instructions. The Channels functionality remains in the developmental stage and has not been released to Regional Forecast Centers.
- The new Channels publisher will use the same server settings as Metcast. Server additions and updates made via Metcast will be read by Channels and vice versa.
- Metcast now supports secure http protocol using SSL and certificates. Development and enhancement of this capability continues.
- Metcast Client now uses Java v1.4. in support of SSL.
- A mailcap editor is provided for experienced Metcast users, who may need to modify and enhance their mailcap file. This editor is intended for advanced Users only, account an incorrectly configured mailcap file will cause Metcast to cease functioning. Refer to Appendix B for complete details.
- User contact information (name, phone number and email address) must be entered upon starting Metcast for the first time. User contact information is required so that FNMOC may track user requests and if necessary, notify users of important information, changes or data outages. The user contact information may be edited via the Options, Properties menu in the Metcast Requestor.
- Requests for Metcast Client technical support and problem reporting must now be made to the MSKC (METOC Systems Knowledge Center). Refer to Section 3.7 for MSKC contact information.

- The set time zone function has been moved to the Metcast Properties dialog, accessed via the Options, Properties menu item.
- Increased the number of stations in the Stations.txt file from 5916 to 6220.
- The “Global” List feature for ship reports and PIREPS is now functional.
- Added a button to the Metcast Requestor Tool Bar that launches the Retriever Monitor GUI.
- Fixed a bug that caused Metcast Requestor to crash when double clicking within the List panel.
- A *Return Grids as Stored on Server* checkbox has been added to the Area Properties dialog. This provides a method to retrieve gridded data in the same map projection that was used to store it on the server. When this function is selected, the data file will not be converted into any other projection. This option was designed for a small number of users who use Metcast Client to feed gridded (GRIB) data into other applications. **DO NOT** check this box when using JMV to display gridded data, account the data will not be viewable.
- Added Appendix C: Joint METOC viewer (JMV) Image File Format, to the Metcast Client Users Manual, which describes the format for imagery ingested by JMV, termed JMV Image Format, or JIF. JIF is a variant of Tag Image File Format (TIFF), with some added information written to TIFF “Image File Directory”, which quantifies attributes of the image. It is fully compliant with the TIFF 6.0 specifications (Aldus, 1992), so JIF images can be previewed with most commonly available image viewers.
- Added numerous code enhancements and made various other minor bug fixes to improve the performance and stability of Metcast Client.

Release 1.5.0.2 incorporates the following changes:

- Added capability to create and apply a Default Product List. This will simplify and speed the process of selecting products for new areas.
- Improved handling of Request settings in the Area Properties Dialog. It is now clearly indicated whether the Server or the Area defaults are being used. Added a checkbox to quickly restore Server Request defaults to an area.
- Added Area and List names to the product selection dialogs.
- New Perl scripts were added to the mailcap files to process AIRMET and PIREP data.

- Updated Stations.txt and Bulletins.txt for alphanumeric data retrievals.
- Expanded scope of Appendix A – Solaris Notes. The appendix now includes: descriptions of the Regional Center Operational scripts, directions to resolve data download problems and directions to recover a locked terminal.
- Added Appendix A – Regional Center Installation Notes to the METCAST Client Installation Procedures document. This appendix provides detailed installation and configuration instructions for installing METCAST Client in a Regional Center configuration.
- Various minor bug fixes and performance enhancements.

Release 1.5.0.1 incorporated the following changes:

- The Omnicast.jar file (Retriever Service) was rebuilt using Java v1.3 to fix the Retriever Service hang up problem.
- The Default Tau selection dialog box, which is accessed via the Product Selection dialog, has been modified. It now includes radio buttons to select taus every 3, 6 or 12 hours and an Ending Tau input box to select the last (ending) default tau.
- A Clean Area function has been added the Area context menu and the Area/List menu item. The function will remove all downloaded data from an Areas directories, but will leave the configuration files intact.
- The Product Selection Dialog box now displays the number of Grids Selected and Total Data Points Selected, to aid the user in estimating the size of a requested download. Multiply the number of Total Data Points by two, to compute the approximate size, in bytes, of the requested data.
- New procedures have been developed and documented to install and run the Metcast Retriever Service as a Windows NT Service. See Section 4.4.1 in the Metcast Client Users Manual for complete details.

Release 1.5.0.0 incorporated the following changes:

- An Appendix for Solaris users has been added to this Users Manual.
- The Retriever Preferences Dialog box has been modified to allow the user to select the number of allowable simultaneous processing threads. Previous versions of Metcast Client allowed the user to select the number of allowable simultaneous downloads and this feature

remains in software version 1.5.0.0. See Section 5.8.1 of the User's Manual - Using the Retriever Monitor, for more detail.

- The new Retriever Service (Omnicast.jar file) also contains a new command in the Help menu of the monitor called Dump Status, which is designed for use by Software developers to trouble shoot various processing problems.
- New Retriever Service (omnicast.jar) fixes the On Demand download issue. The new Retriever Service is not compatible with the old metcast.exe (and vice versa); therefore it must be run with the new metcast.exe. The CD installation loads the compatible versions of these programs.
- Metcast Client does not need to be active to run scheduled areas.
- Updated Metcast.exe to move scheduled session control to the Retriever Service. Scheduled areas will no longer work without using the new Retriever Service.
- Modified Metcast Client installation software to query a user about his "type" of use, and then to install a mailcap file that has been optimized for that use. The two available options are: JMV-Only (Default) and JMV-MIDDS. If you are unsure what type of user you are, we suggest that you select the Default, JMV-Only radio button. Additional instructions are provided in the Metcast Installation Procedure document, which is included on the installation CD-ROM.
- Server configuration is now saved, when defined areas are "preserved" during the uninstallation of Metcast. When the "preserve" option is utilized, the saved areas and the saved server settings will be available upon re-installing Metcast Client.
- Changes to Server settings are now immediately activated upon closing the Server Configuration dialog box.
- Fixed problems with global area selection and with selecting a special area from the special.txt file.
- Modified Selarea.exe to allow filtering of Satellite and Special Areas by server. Also changed area selection from nearest box center to nearest line segment.
- Added high-resolution Lat/Lon ability.
- Fixed problem of being asked multiple times for an area name when building a global area. Fixed bug that allowed area name conflicts with pre-existing areas and other directories.

- Eliminated the cause of an error message that was generated whenever two or more simultaneously running scripts were reading the contents of the UPPERAIR directory. Implemented an enhancement that removes an outdated lock file that may be left over in the UPPERAIR directory if the script aborts unexpectedly. The lock file, lock.uar, is used by the script as a lock to the critical section whose purpose is to clean up the UPPERAIR directory.
- The “Get data Newer Than” check box in the Setup Request – Area Properties dialog box may no longer be “unchecked” for observation or imagery data requests. However, the associated time field may still be modified. This modification was added to prevent Server overloads.
- Eliminated bug in calculation for the average periods for temperature and salinity.
- Changed Dup Area to copy the contents of remote areas, not just the pointer and added a progress dialog to the dupe area function.
- Made various minor bug fixes and performance improvements.
- Updated version numbers for current release.

Release 1.4.0.2 incorporated the following changes:

- Changed Dup Area to copy the contents of remote areas, not just the pointer.
- Fixed problem of lock-up in OmniRetriever when stderr messages are produced. The Retriever would stop reading after 25 lines, but the process (perl) would block after filling up its output buffer. This solution keeps the retriever reading and only displays the first 25 messages.
- Fixed problems with merging observations and upper air reports.
- Added check for invalid lat/lon in tropicals, reject tropicals in case of certain errors.
- Fixed error in the reconstruction scripts OMFParser.pm and ObsMerger.pm and modified the handling of STDERR and STDOUT error messages, so that the Retriever Monitor does not hang up.
- Solved the "hung sessions" problem, which results from retriever waiting to read stdout from the exec'ed process, while there is output being sent to stderr. This version of omnicast reads these two pipes concurrently using threads. This allows the retriever to read stderr without blocking on stdout.

- Changed version number from 1.4.0.1 to 1.4.0.2
- Added an error checking mechanism that sends error messages to the Standard Output rather than to the Standard Error Stream in the translate.pl script.

Changes introduced in Release 1.4.0.1:

- Updated version number for current release.
- Made various minor bug fixes and performance enhancements.
- New retriever program overcomes some difficulties with the old one. The new file calls procd data separately for each grib file found. It thus starts processing grids earlier and multi-threads more efficiently than the old program, resulting in improved overall performance.
- Modified procd data to resolve a problem created by last change. Added a new command line directive "PROCGRIBFILE" to process a single grib file. Avoids the problem with using the 3rd parameter to determine the file name in a PROCGRIB directive that conflicted with using the 3rd parameter as the number of revisions to save.
- Added del to text/x-omf; and text/x-omf2 to handle xxxx.tmp.old files.
- Added two modes to procd data. One will process a single grib file and quit if a third parameter (file name) is added to the PROCGRIB command line. The second mode is a CLEANGRIB command line, which will clean up after grib processing and create the missing.dat file. These changes do not alter the way procd data is currently being used.
- Added support for proxy server authentication.
- Attached a new omnicast.jar file that contains a modified retriever to address issues in the "procd data doesn't release retriever" problem.
- Fixed autopr int problem when high-resolution geography is selected. Added capability to turn off sunrise/sunset on autopr ints.
- Forced a rewrite of metcast.con when an area is scheduled or unscheduled to allow failover to have the correct scheduled status of areas. Corrected display of status bar when an area is scheduled.
- Modified write to procd data.txt, to now try 50 times with a 5 second sleep interval.
- Moved splitter to adjust the sizing of main window.

- In the “Choose Area Type” Window of the “Create an Area” Option, the name of the North Pole area has been changed to North Polar, and South Pole has been changed to South Polar.
- Corrected “NO GUI” option to not use graphics at all. Modified positioning of dialog boxes to keep them on screens with the display set smaller than 1024 x 768.
- Corrected inconsistencies in the color of curved wind arrows over a forecast period during looping of F-Type and JMV-Type files.
- Corrected the defaults in the setup of a List Request.

Changes introduced in Release 1.4.0.0:

- Set up new Globals category for retrieval of Tropical Cyclone warnings and some other types of data. Provided capability for user to specify retrieval intervals and timing for these reports.
- Now METCAST does not perform a full download every time a session is restarted. This includes, pressing the start button, rescheduling the area and even shutting down metcast. With this modification, a full download will only occur the first time the area is created or if the user explicitly sets up the request to be done "on demand". The retriever service is able to "remember" the last download by writing the timestamp of the last download to the area directory. Each session gets a unique filename with the timestamp of the last download.
- Changed Requestor to fix a problem with "scheduled" checkmarks disappearing.
- Fixed the upper air merge scripts to properly handle multi-part messages where the parts arrive at different times and/or out of order.
- Fixed a problem that, under certain circumstances, resulted in the processing scripts deleting files when they shouldn't.
- Modified the bulletin list selection dialog to show a text description of each bulletin highlighted. Incorporated a new bulletin list to support this feature.
- Made various minor bug fixes and performance improvements.

Changes introduced in Release 1.3.0.1:

- Enhanced the ReportMerger.pm script to do more error checking on timestamp values.

APPENDIX C Known Problems and Errors

1. A minor problem occurs in the Define Area dialog when Metcast Client is installed for the first time on a PC with no previous Metcast installations, or when it is installed on a different drive or directory than an existing version of Metcast Client. When Metcast Client is executed for the first time, the Special Area and Satellite area creation buttons are “grayed out” and non-functional in the Define Area dialog box. Close and then restart the Metcast Requestor window to activate the buttons. The North and South Lambert area projections are still under development, therefore the associated area creation buttons will remain non-functional.
2. **METCAST Client for Unix Servers:** The speed with which mouse inputs are made in the METCAST Client for Unix may cause a problem or hang up. In general, fast single or double clicking ahead of the Client program with either the left or right mouse buttons may cause **X-windows** to lock up. When X-windows is locked up, the entire system will appear to have crashed. Users should not click ahead of the METCAST Client program, but wait for the Client to complete the requested action before initiating (clicking for) the next action.
3. If the system locks up due to fast mouse clicking, the system operator may remotely access the hung terminal and kill the hung processes. Recovery procedures are detailed in Appendix A.5.3 of the METCAST Users Manual.
4. For proper operation, Metcast Client, JMV and Quick Weather must share certain files and directories. Because of this, the “jmvwin” directory and several sub-directories and files will remain on your PC after uninstalling the JMV, Metcast and Quick Weather programs. To remove all traces of these programs, the following procedure is required: Uninstall JMV, Metcast Client and Quick Weather using the provided uninstall programs; located in the Start menu FNMOC-SPAWAR folder (when uninstalling JMV and Metcast, the uninstall shield will ask whether or not the user wishes to remove shared files. The correct response is “yes to all”). After uninstalling the programs, shut down and restart the PC. The “jmvwin” folder will remain on the drive that was specified during the install process (usually the C: Drive). Navigate to the jmvwin folder, and delete it, and all of its contents.
5. Users should confirm that the PC running METCAST has sufficient disk space available to receive the requested gridded data, prior to initiating METCAST to retrieve that data. A variety of Windows errors (Dr. Watson errors) will result if the available hard disk space should fill up during a METCAST retrieval session. To estimate the size, in bytes,

of the gridded data requested for download, multiply the Total Data Points value (provided in the Product Selection dialog) by two.

6. Some users have reported data reception problems that appeared to be related to the Metcast Requestor. Subsequent investigation revealed incorrect calendar and clock settings on the PC running JMV/Metcast. Timely data reception is dependant upon correct PC clock and calendar settings. The Metcast Time Zone (hours relative to GMT) must also be set correctly. The Metcast Time Zone is can be set by selecting **Time Zone** from the Metcast Client **Options** menu and simply entering the number of hours (maximum 12) your time zone is away from GMT. Next, select either the West or East radio button that corresponds to your location relative to the prime meridian.
7. Downloading observations (particularly Upper Air Reports) for a global area can produce problems with incomplete XML files being returned (giving rise to a "missing MIME boundary" error). The workaround is to request the problem observations for smaller, non-global areas.
8. A request for large numbers of grid files for an area may result in incomplete files being returned (giving rise to a "missing MIME boundary" error or sometimes a crash). The workaround is to duplicate the area with different names, and only request a subset of the required grid set for each of the new areas.
9. When two sessions in the Retriever Monitor share the same area name, server, and data domain, the Past Sessions log can be confused and will only show the past sessions data for the earliest completed session. A workaround is to purge the Past Sessions log before each new write, so that only the latest past session data are displayed. We are still working on a better fix.
10. The installation software may occasionally not recognize proxy settings when they are, in fact, present. Therefore the settings in the metcast.con and QuickWeather.ini files may not be updated properly. When this happens, users will need to enter the proxy settings manually.
11. Some Windows users have reported problems installing a new version of METCAST Client after having had an older version running. The following error message was generated when starting Metcast Client in some cases:

"The retriever monitor had a problem starting because either a previous version of METCAST is already running, or your TCP/IP settings are incorrect."
We believe that this problem may result from one of two causes: either the Retriever

Monitor didn't shut down correctly or a Metcast Retriever Service is being run as a Windows NT Service. To check for the first instance above, ensure that you have closed all Metcast Clients, then use the Task Manager to see if any Retriever Services are still running. Look for **omniRetriever** in the Applications window and kill it, if present.

If problems persist, then the Metcast Retriever Service is likely being run as an NT service, and will not be uninstalled when Metcast is uninstalled. The solution is to remove the Metcast Retriever Service from the Windows Services List. To do this, open a DOS Command Prompt window and set the directory to `jmvwin\noddsfls` and enter the command: **ServiceManager -r**. The message "*Metcast Retriever Service remove*" will confirm that the retriever service has been removed. You may now uninstall Metcast Client.

If you've already tried to uninstall METCAST Client when you run into this problem, enter the `ServiceManager -r` command, then reboot the machine and reinstall METCAST Client. This should clear up the problem.

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